

END FACE STRUCTURE OF OPTICAL FIBER AND OPTICAL FIBER

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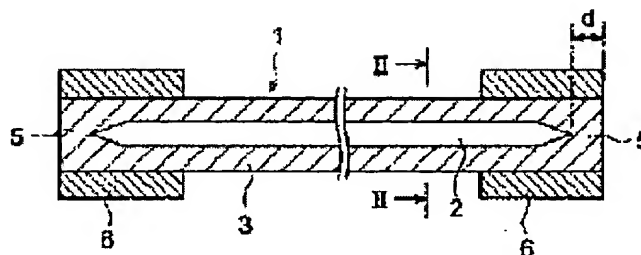
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Abstract of JP2002323625

PROBLEM TO BE SOLVED: To provide an end face structure of an optical fiber, that can reduce deterioration of optical characteristics and also to provide the optical fiber. **SOLUTION:** The optical fiber 1 consists of a hollow core part 2 and a clad part 3 surrounding this hollow core part 2, with the refractive index of the hollow core part 2 made lower than that of the clad part 3. The hollow core part 2 is, in its structure, blocked at both end faces and formed with sealed parts 5. This sealed parts 5 are formed for example by heating the optical fiber 1 and softening the clad part 3. As a result, it prevents foreign matters or the like from entering the hollow core part 2. To both end faces of the optical fiber 1, ferrules 6 of an optical connector are attached respectively.



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